

# GardenQuest

Create Your Own Adventure Game with AI



# GardenQuest AI

A no-code AI-powered tool to create, reskin, and export classic games



## No-code Game Creation

Empowers users to build games without writing a single line of code using AI-driven tools.



## Classic Templates

Includes popular game types like Flappy Bird and Match-3 for easy customization.



## Exportable Projects

Users can export playable HTML5 versions of their customized games.

# The Problem

- **Coding Barriers:** Many aspiring game creators lack programming knowledge, blocking their creativity.
- **Complex Game Engines:** Traditional tools like Unity or Unreal Engine require steep learning curves.
- **Art and Logic Challenges:** Creating graphics and logic without guidance is overwhelming for beginners.



# The Solution

- **Template-Based Creation:** Users start with classic game templates to kickstart development.
- **AI-Powered Customization:** Modify characters, backgrounds, and logic using natural language prompts.
- **HTML5 Export:** Games can be exported as playable HTML5 apps for easy sharing and deployment.



# Tool Flow (Step-by-Step)



## Pick Template

Start with game types like Flappy Bird or Match-3 to accelerate development.



## Adjust Parameters

Modify speed, difficulty, or layout without touching any code.



## Reskin with AI

Use prompts to redesign visuals—characters, backgrounds, animations.



## Export Game

Get a finished HTML5 file ready for deployment or sharing.





# Game Templates Available

- **Flappy Bird:** A side-scrolling obstacle game where players navigate a bird through pipes.
- **Match-3:** A puzzle game format based on aligning three or more identical elements.
- **Whack-a-Mole:** A reflex-based game involving quick taps on popping enemies.
- **Crossy Road:** Endless hopper game requiring timing and precision across roads and rivers.
- **Garden Adventure:** Custom original game with layered zones, obstacles, and progressive challenges.

# Sample Template - Garden Adventure

- **Layered Garden Zones:** Cartoon-style environment with four interactive corner areas and a central dig zone.
- **Dynamic Gameplay:** Players must locate a small dig key to access the central zone amid rewards and traps.
- **Progressive Difficulty:** Each level scales with increasing enemy count, complexity, and hidden rewards.
- **Obstacle Elements:** Includes plant barriers, enemies, and randomly placed traps for engaging navigation.

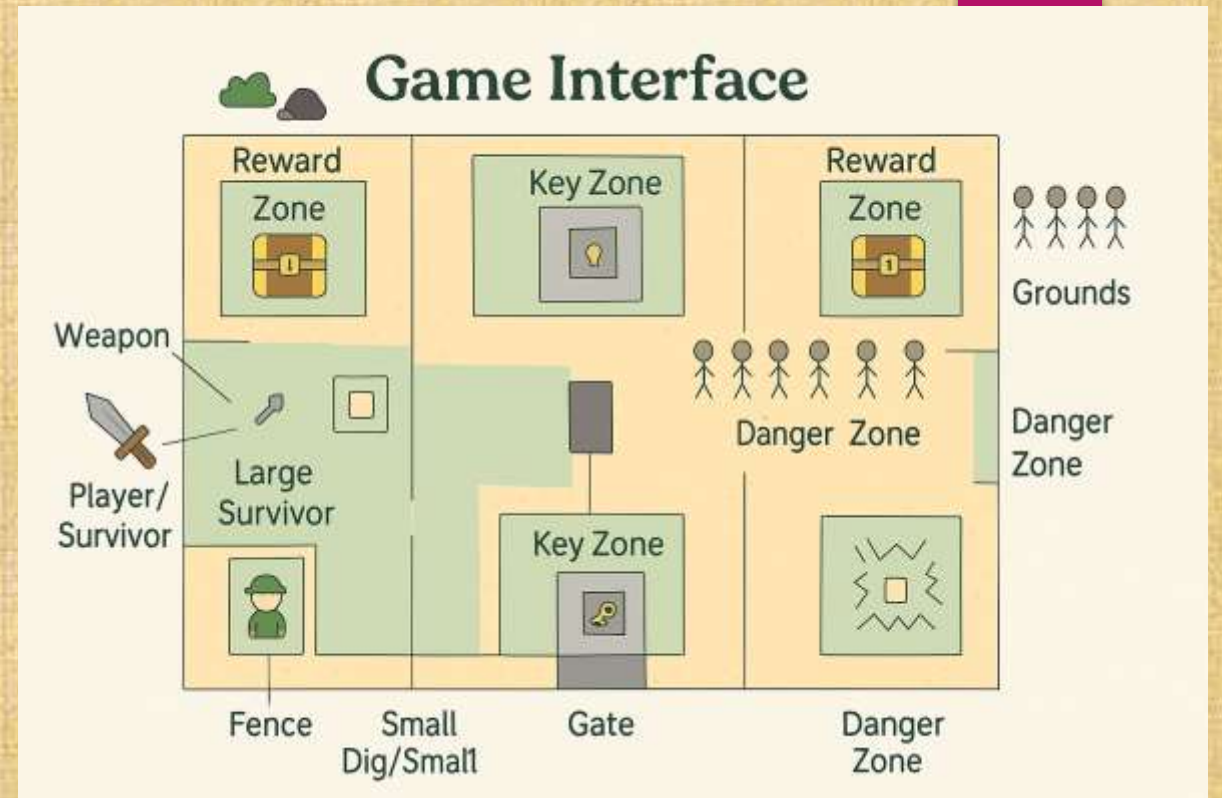
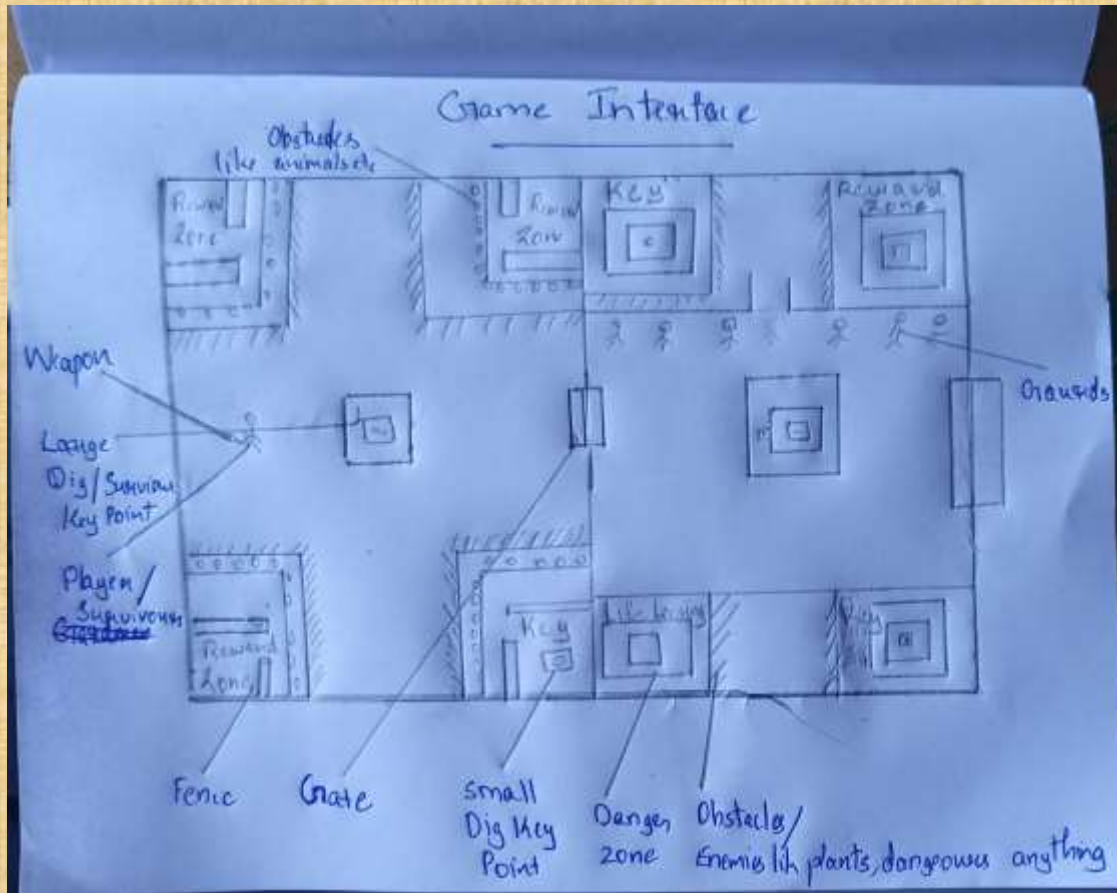


Photo by Remy\_Loz on Unsplash

# AI Prompt Examples

- **Custom Backgrounds:** "Create cartoon-style jungle background"—quickly sets tone and theme.
- **Character Design:** "Add player with axe and green shirt"—define appearance with simple text.
- **Game Logic Tweaks:** "Place key randomly in one of the four zones"—controls placement dynamics.
- **Level Progression:** "Add guards after level 3"—AI adapts gameplay elements as game evolves.
- **Audio Integration:** "Add background music with nature sounds"—automate immersive sound design.





# Export & Use

- **HTML5 Export:** Games can be exported as HTML5 files for browser playability and portability.
- **Easy Hosting:** Games can be uploaded to personal sites, shared via links, or embedded on blogs.
- **Ideal for All Creators:** Perfect for students, educators, and indie developers looking for quick results.



# Thank You

Project by: Sreejith

- **Design Prototype:** Created for the GameGen Challenge to explore no-code AI game development.
- **Open Source Code:** Available on GitHub for public viewing, adaptation, and collaboration.
- **Empowering Creators:** Inspires students and indie developers to express ideas through games.







## Bonus Slide – Future Vision: AI Debate App

Dream Project: Real-time AI-powered debate platform

- **Live Video Debates:** Users register and engage in real-time topic-based debates with video streaming.
- **Audience Voting:** Live audience can vote to determine debate winners and favorite arguments.
- **AI Moderation:** Automatic pairing, topic selection, and content moderation handled by AI.
- **Reward System:** Debaters earn points, ranks, or rewards based on performance and engagement.
- **Influencer Curation:** Topics curated and promoted by influencers to attract broad participation.